

From 13th August 1895

To 24th " "

dr 3605 - 3611

Hyd. 3609 - 3647

Serials. (Havy Reel 753)

Turns fms.

94 - 100

188 - 200

283 - 300

379 - 400

475 - 500

572 - 600

668 - 700

766 - 800

864 - 900

914 - 950

939 - 975

963 - 1000.

do. to 500 fms

Turns fms.

94 - 100

188 - 200

283 - 300

379 - 400

427 - 450

451 - 475

475 - 500.

Nest Hyd # 3609
Nest Dr # 3605
Nest Int. # 55.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

55.89' - 167.40' 78

No. 3609 Hyd. Date Aug 13th 95
 Sigsbee Machine. Reel. #12 1004.

Turns 176 Cor. + 13 Depth 189 fms.

Shot or lead 35 lb

Bottom gn. M. + S.

Bottom temperature 37.4

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 37.5

Air 45 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.03.00	08.30	0		
64.20	106.45	100		
05.00	11.06.00	176		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2.3
 0.109

OK

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	4169 158
	3100	176 145
	3200	3993 13
	3300	176
	3400	189
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	63902	—	44.0
100	44	62358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

29. H. 55, 17' 54" 167, 34"
 507. 55 fms.
 No. 3605 Dr. Date Aug 13, 1895
 Tanner Machine. Reel.

Turns 87 Cor. + 4 Depth 91 fms.

Shot or lead 26 lbs.

Bottom gy S. M.

Bottom temperature 37.0

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 37.1

Air 45 Surface 44 Drift

Trawl or dredge Townsend Silt Net

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
PM 12.42.25	PM 46.20	0	12.53.15	23.00
44.20	12.44.30	87	56.25	1.21.30
		100-50		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surface net over at 12.55
 " " " 1.15
 Silt. net towed at 30 fms.
 Messenger struck in 25 sec.

2-571
 1903

SK

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

543
87
456

12
8
4

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface	45	—	—	45.0
50	44	63902	—	44.0
100	43.5	62358	-0.2	43.3
300	41.4	66660	—	41.4
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Art. net: 3 species Small Medusae
several sp. minute Crustacea, small
Cord or Pollock, several sp. of small
invertebrates.
Surface net: abundance of brownish
Algae refuse, few larval squid.

No. *3605* Date *Cont'd.*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge *large beam & mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	1.27.05	05.45
		100	31.20	02.40
		175	34.30	2.00.15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 very large Skate, 2 Flounders (*Atheresthes*)
 3 Flounders (*Paruroctes*), few small *Agonidae*
 few small *Cottidae*, 1 peck red Prawns, (lge)
 several species of small shrimp & Prawns
 1 peck large Shells, several species
 small Shells, 1 gr Crab, 1 doz Red
 soft Anemones, few Annelids.

39 1878 55.33.0 167.5678

No. 3610 Date Aug 16 1878
 Sigsbee Machine. Reel.

Turns 105 Cor. + 5 Depth 110 fms.

Shot or lead 36 lbs

Bottom fine gy. s.

Bottom temperature 38.

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 38.1

Air 46. Surface 44. Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.21.20.	4.24.40	0		
22.10.	23.50	100		
22.20.	24.00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK ✓

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

57.0
10.8
7.8

10.8
10.8
10.8

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 5606 27 Date Aug 12 1880

Tanner Machine. Reel.

Turns 83 Cor. + 4 Depth 87 fms

Shot or lead 26 lb

Bottom gn m s fine S

Bottom temperature 38

No. of thermometer 64480 Cor. + 0.1

Corrected temperature 38.1

Air 46 Surface 45 Drift

Trawl or dredge Large beam.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	1.2.20	0	5.16.45	56.05
11.40	5.11.42	83	21.00.	52.25
		100	24.50	5.55.10
		160		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

S. 2. 38.3

1st surface met cor. at 5.18.50
 " " " " 5.38.25
 2nd surface met 60 ft. below surface

OK

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	54.3
	3300	83
	3400	46.0
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	43.5	63058	—	43.8
100	43	62358	-0.2	42.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Surface tow out, Large amount
 Plankton, 2 species of fish, 1
 small Crustacea, 7 Salpae,
 Dredge - 4 Clamshells, (Gastropods), 2 species of Lydianae,
 (Ammonites) 1 Collins.
 2 gk red pinnas, larger 2 or 3 species small shrimp, 2 or 3
 1 gk small crabs, 2 species, 2 gk shells, 2 dozen species
 from bottom mud. 1 dozen small Ophiuroids.

SV 168-11'75.

No. 2611 Date Aug 13 90
Machine. Reel.

Turns 50 Cor. + 3 Depth 53 fms

Shot or lead 26 lb

Bottom fine gy S + sh + sp.

Bottom temperature 38.8

No. of thermometer 480 Cor. + 0.1

Corrected temperature 38.9

Air 45 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
8.25.50		0		
8.27.00	8.25.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	57.3
	3200	80
	3300	46.3
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44	—	—	44.0
50	44	62358	-0.2	43.8
100	43	63902	—	43.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

160° 22' W.

No. *105* Date *Aug 13 1885*
Sigsbee Machine. Reel.
 Turns *73* Cor. + *3* Depth *76 fms*
 Shot or lead *26 lb.*
 Bottom *fine s. t. br. sh.*
 Bottom temperature *38.2*
 No. of thermometer *64150* Cor. + *0.1*
 Corrected temperature *38.3*
 Air *45* Surface *45* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.45.00</i>		0		
	<i>10.47.00</i>	<i>73</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

25.28
78
11.0

73
76

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	62357	-0.2	43.8
100	44	62402	-	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3613 *Hyd* Date *Aug 1 1885*
Machine. *Reel.* *No. 2*
 Turns 728 Cor. + 50 Depth 778
 Shot or lead 35 lbs.
 Bottom *gy M. S.*
 Bottom temperature 36.2
 No. of thermometer 691480 Cor. + 0.1
 Corrected temperature 36.3
 Air 52 Surface 46 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.20.15	16.15	0		
25.30	15.00	100		
27.40	14.00	200		
29.50	13.55	300		
32.05	13.50	400		
34.20	13.50	500		
36.30	13.30	600		
38.45	13.20	700		
40.50	11 37.00	728		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	163 158
		728 108
	3100	3441 50
	3200	728
	3300	778
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	63402	—	44.0
100	43.5	62388	-0.2	43.3
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5425. 16720

No. 3614 Hyd Date Aug 18 '95

Machine. Reel.

Turns 310 Cor. + 24 Depth 334 fms.

Shot or lead 35 lbs.

Bottom gn. mud.

Bottom temperature 38.

No. of thermometer 6948 Cor. + 0.1

Corrected temperature 38.1

Air 50 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 2.15	42.15	0		
2 1.15	40.15	100		
3 1.15	39.25	200		
4 1.15	38.15	300		
5 1.10	1.38.00	310		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

314

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

41.5
21
35.0
1.8
18.2
24
31.0

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	45	67367	-0.2	44.8
100	44	67367	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57 11.30 10. 16725

107.

56 July

No. 607 Date Aug 18 1885

Sigsbee Machine. Reel

Turns 125 Cor. + 0.2 Depth 987 fms

Shot or lead 35 lb

Bottom M. bk. S. S.

Bottom temperature 35.8

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 35.9

Air 46 Surface 175 Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11.01.25 22.45

0

04.30 23.20

100

04.50 22.40

200

05.00 21.50

300

06.10 21.10

400

07.00 20.20

500

07.00 19.30

600

08.20 18.45

700

12.30 17.45

800

14.00 16.30

900

11. 14.20 15.00 935

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Surface and over at 5.18

5.41

Time at 900 fms.

55.8

OK

			2500		
			2600		
			2700		
			2800		
			2900		
			3000		
			3100	4169	158
			3200	925	96
			3300	3244	62
			3400		925
			3500		987
			3600		
5 ft.	45.0	—	3700	—	45.0
5 fm.	44.5	62358	3800	-0.2	44.3
10 fm.	43.5	63902	3900	—	43.5
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	40.5	78572	-0.4	40.1
50	39.9	69415	+0.1	40.0
100	38.7	61396	+0.2	38.9
200	37.6	78571	-0.3	37.3
300	38.0	67362	+0.1	38.1
400	38.0	66732	+0.1	38.1
500	38.0	63917	+0.1	38.1
600	37.4	61582	—	37.4
700	36.4	66734	—	36.4
800	36.0	69480	+0.1	36.1
900	36.0	66665	—	36.0
1000				

REMARKS:

Sample in bottle...
 ...
 ...
 ... minute Crustacea ...

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	0.00.00	31.30
		100	12.20	35.30
		200	0.30	31.45
		300	12.10	25.45
		400	15.10	25.30
		500	18.10	23.30
		600	21.30	20.15
		700	25.00	17.00
		800	29.05	14.00
		900	32.00	10.35
		1000	36.15	07.30
		1100	39.15	04.00
		1200	42.20	00.50
		1300	44.00	55.00
		1400	47.30	51.50
		1500	56.00	48.10
		1600	7.00.00	44.00
		1700	04.00	40.50
		1800	7-10.30	7.37.00
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	101.3
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Caught in 273 fath.			
50	8 very large Macrurus			
100	8 " " Antennae, 116 " " " "			
200	8 " " " " " " " "			
300	1 " " " " " " " "			
400	1 " " " " " " " "			
500	2 " " " " " " " "			
600	Ophiopoda 2 " " " " " "			
700	2 " " " " " " " "			
800	filled with the same 2 " " " "			
900	Macrurus, 1 st. soft shell star			
1000	2 st. pinkish star, 1 " " " "			
	1 st. " " " " " " " "			

REMARKS: few small fish - variety of small hard spiny fishes.

542 of 70, 1673865.

No. 3615 Date Aug 19, 1885
Machine. Reel.
Turns Cor. + 24 Depth 45 fms.
Shot or lead 35 lbs.
Bottom gn M. S.
Bottom temperature 37.0
No. of thermometer 6922 Cor. + 0.1
Corrected temperature 37.1
Air 45 Surface 46 Drift
Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

19.55.35	55.1	0		
56.1.55	53.30	100		
57.35	62.40	200		
58.55	71.50	300		
59.45	81.00	400		
60.55	90.10	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	416.7 15.8
	3200	45.7 12.4
	3300	35.1 9.2
	3400	45.2
	3500	45.6
	3600	
	3700	
	3800	7.1
	3900	2.8
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44.5	62359	-0.2	44.3
100	44	63902	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3616 Date July 19 1885
 Machine. Reel.
 Turns 982 Cor. + 66 Depth 1048
 Shot or lead 35 lb
 Bottom gn M. S.
 Bottom temperature 35.1
 No. of thermometer 69480 Cor. + 0.4
 Corrected temperature 35.2
 Air 44 Surface 42 Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
1.08 10	24.50	0		
09.20	25.25	100		
10.40	26.00	200		
11.00	26.26	300		
12.20	27.00	400		
13.40	27.25	500		
15.00	28.00	600		
16.20	28.25	700		
17.40	29.00	800		
19.00	29.25	900		
20.20	30.00	982		
	1 24 50	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	4169
	3200	982
	3300	3187
	3400	158.
	3500	92
	3600	66
	3700	982
	3800	104.5
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44	—	—	44.0
50	43.5	62358	-0.2	43.3
100	42.0	63902	—	42.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 168° 02' 15" ✓

No. 1617 Date Aug. 9/89

Sigsbee Machine. Reel. No. 2

Turns 371 Cor. + 36 Depth 538 fms

Shot or lead 35 lb

Bottom gn M. S.

Bottom temperature 37

No. of thermometer 4400 Cor. + 0.1

Corrected temperature 37.1

Air 44 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5:50:00	4:55:40	0
5:50:00	4:55:40	100
5:50:00	4:55:40	200
5:50:00	4:55:40	300
5:50:00	4:55:40	400
5:50:00	4:55:40	500
5:50:00	4:55:40	600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Made 1 white, red, and green

Stop 02:00

OK 1100 22	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	415	120
	3200	501	120
	3300	3668	56 37
	3400		100
	3500		538
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44	—	—	44.0
50	43	63402	—	43.0
100	42	62358	-0.2	41.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3618 Date Aug 19
 Sigbee Machine. Reel. 5
 Turns 1000 Cor. + 68 Depth 1075
 Shot or lead 35 lb.

Bottom gy. M. sh.
 Bottom temperature 35.4
 No. of thermometer 69480 Cor. + 0.1
 Corrected temperature 35.5
 Air 44 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.46.40	13.10	0		
47.50	12.20	100		
49.00	12.00	200		
50.30	11.00	300		
52.05	10.00	400		
53.40	09.00	500		
55.05	08.00	600		
56.21.0	07.00	700		
58.20	06.00	800		
6.00.10	04.50	900		
02.00	03.30	1000		
02.10	03.20	1008		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
HRS

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4169. 158
1008
3161
1008
1076
1075

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	42	—	—	42.0
50	42.5	62358	-0.2	42.3
100	41.5	63902	—	41.5
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 06' 70. 168 37 45

No. 3619 Hyd. Date Aug 18 1880

Machine. Reel. No. #2

Turns 1155 Cor. + 76 Depth 1231

Shot or lead 35 lbs.

Bottom gn M. S.

Bottom temperature 35.2

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 35.3

Air 45 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
8.21.05	51.45	0		
22.55	50.30	100		
24.00	49.35	200		
25.15	48.37	300		
26.30	47.40	400		
27.40	46.40	500		
29.05	45.40	600		
30.30	44.40	700		
32.05	43.35	800		
33.40	42.25	900		
35.15	41.15	1000		
36.50	40.00	1100		
37.45	8.39.15	1155		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

200
1155
5014
58
82
76
1155
1231

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	43	—	—	43.0
50	43	62358	-0.2	42.8
100	42.5	63902	—	42.5
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. $54^{\circ}17'N$. Long. $168^{\circ}59'W$

No. *547* Date *Aug 10 1881*

Machine. *Sigsbee* Reel. *1*

Turns *950* Cor. + *6* Depth *1014* fms.

Shot or lead *60 lbs.*

Bottom *gn. M. blk. S.*

Bottom temperature *35.5*

No. of thermometer *69480* Cor. + *0.1*

Corrected temperature *35.6*

Air *45* Surface *43* Drift

Trawl or dredge *Townsend*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10 55.15</i>	<i>14.00</i>	<i>0</i>	<i>12.00.00</i>	<i>34.32</i>
<i>51.20</i>	<i>12.50</i>	<i>80</i>	<i>06.40</i>	<i>12 32 30.</i>
<i>52.25</i>	<i>11.55</i>	<i>200</i>		
<i>53.35</i>	<i>11.30</i>	<i>300</i>		
<i>54.40</i>	<i>10.55</i>	<i>400</i>		
<i>55.50</i>	<i>08.05</i>	<i>500</i>		
<i>57.05</i>	<i>07.50</i>	<i>600</i>		
<i>58.20</i>	<i>06.10</i>	<i>700</i>		
<i>59.35</i>	<i>05.30</i>	<i>800</i>		
<i>11 00.45</i>	<i>04.15</i>	<i>900</i>		
<i>01 35</i>	<i>11 33.30</i>	<i>950</i>		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Reel over at 12.10
" " " 12.34.

Shot and lead at 50 fms.

Time up at bottom 44 seconds.

OK

			2500		
			2600		
			2700		
			2800		
			2900		
			3000	12.0	12.8
			3100	9.5	9.4
			3200	32.1	6.4
			3300		15.3
			3400		17.2
			3500		
			3600		
St. 44			3700	—	44.0
S. 44		63912	3800	—	44.0
No. 43.5		62358	3900	-0.2	43.3
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	43.6	69485	—	43.6
50	37.2	78512	-0.4	37.6
100	37.2	66721	+0.1	37.3
200	38.1	63919	+0.1	38.2
300	38.0	62361	+0.1	38.1
400	38.0	61576	+0.2	38.2
500	38.2	66724	—	38.4
600	37.0	78511	-0.3	36.7
700	36.8	66665	—	36.8
800	36.2	78510	-0.2	35.8
900	36.3	61584	—	36.3
1000	35.5	69485	-0.1	35.6

REMARKS:

Under the net, many small fish and many other small animals, but no large ones. Spotted fish, many.

At 1000 ft. net, 25 ft. deep. Under the net, many small fish and many other small animals, but no large ones. Spotted fish, many.

No.

Date

Machine.

Reel.

Turns 913 Cor. + 62

Depth 975

Shot or lead 35 lb

Bottom fm M. & G.

Bottom temperature 35.4

No. of thermometer 6421

Cor. - 0.1

Corrected temperature 35.5

Air 47

Surface 44

Drift

Trawl or dredge Dredge net

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0	44.00	0	3.56.40	4.21.30
100	43.00	100	11.30.00	11.30.00
200	42.00	200	44.12	11.30.00
300	41.00	300	53.00	13.30.00
400	40.00	400	58.00	17.30.00
500	39.11	500	4.02.20	21.30.00
600	38.10	600	08.20	02.30.00
700	37.00	700	13.30	05.30.00
800	36.00	800	18.25	08.10.00
900	34.40	900	22.50	11.50.00
1000	3.24.00	1000		
1100		1100		
1200		1200		
1300		1300		
1400		1400		
1500		1500		
1600		1600		
1700		1700		
1800		1800		
1900		1900		
2000		2000		
2100		2100		
2200		2200		
2300		2300		
2400		2400		

Therefore net over at 2117
" " " " " "

Net towed at 10.17.10
Dredge net towed at 10.17.10

OK

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4169 38
91.3 36
32.56 62
91.3
97.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.10
50	44	63 902	—	44.10
100	44	62 358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

11. *Hy 207* 169° 19' 15"

No. 3622 Hyd Date Aug. 19, 1895
 Machine. Reel. Navy #2
 Turns 1381 Cor. + 90 Depth 1471 fms
 Shot or lead 60 lbs
 Bottom *fm m. s.*
 Bottom temperature 35.0
 No. of thermometer 69480 Cor. + 0.1
 Corrected temperature 35.1
 Air 46 Surface 45 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
08.00	44.31	0		
08.55	42.45	100		
09.55	41.50	200		
11.00	40.50	300		
12.05	39.57	400		
13.15	38.55	500		
14.25	37.51	600		
15.35	36.16	700		
16.45	35.25	800		
17.55	34.05	900		
19.15	32.35	1000		
20.20	31.00	1100		
21.35	29.21	1200		
22.55	28.00	1300		
24.05	8.26.25	1381		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Under 5 miles outside mouth of river

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	14169 158
	3100	1381 68
	3200	2788 90
	3300	1381
	3400	1431
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	62358	-0.2	43.8
100	44	63802	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

17 168° 30' 30" 168° 30' 30" 168° 30' 30"

No. 3623 Hyd. Date Aug 20 1895
 Machine. Reel. 1111
 Turns 884 Cor. + 60 Depth 944 fms
 Shot or lead 35 lb.
 Bottom gn M.
 Bottom temperature 35.8
 No. of thermometer 69480 Cor. + 0.1
 Corrected temperature 35.9
 Air 47 Surface 45 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11:11.0	21.25	0		
11:12.0	20.18	100		
11:13.0	19.11	200		
11:14.0	18.04	300		
11:15.0	16.57	400		
11:16.0	15.50	500		
11:17.0	14.43	600		
11:18.0	13.36	700		
11:19.0	12.29	800		
11:20.0	11.22	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	4169
	3200	158
	3300	98
	3400	60
	3500	884
	3600	100
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	6235	-0.2	43.8
100	44	6390	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3622 Date Aug 11 1887

Machine. Reel.

Turns 150 Cor. + 0 Depth 150 fms.

Shot or lead 35 lb.

Bottom gn. M.S.

Bottom temperature 38.

No. of thermometer 7450 Cor.

Corrected temperature 138.1

Air 48 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

24.30

4.12.30

0

26.00

4.10.00

100

27.15

4.07.15

200

28.40

4.04.40

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	416
	3200	258
	3300	3916
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	-	-	45.0
50	44	62358	-0.2	43.8
100	43.5	62902	-	43.5
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

53° 19' 30" N. 168° 09' 15" W.

No. 3625 Hyd. Date Aug 20

Sigsbee

Machine

Reel

Depth 529 fms

Turns 529 Cor. +

Shot or lead 35 lb

Bottom

Bottom temperature

No. of thermometer 65460

Cor. 70.1

Corrected temperature 38.1

Air 46

Surface 45

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
6.52.05	7.50.00	0		
5.57.17	59.10	100		
5.52.40	58.00	200		
5.48.15	56.50	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		108°
	3200	212	121
	3300	3957	17
	3400		212
	3500		229
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44.5	62354	-0.2	44.3
100	44.5	62902	—	44.5
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

55° 19' 30" N 168° 10' 15" W

1897.

59 fath

No. 3676 Date

Machine.

Reel.

Turns 27 Cor. + 17

Depth 214

Shot or lead

26 lbs

Bottom

Bottom temperature

38.0

No. of thermometer

67450

Cor.

Corrected temperature

38.1

Air 46

Surface 45

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.00	2.20	0	1.46.40	
11.00	21.00	100		
17.35	20.35	200	1.48.00	27.35
18.10	8.20.10	300	9.00.00	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Wire is not over at 9.24
 Hook not touched at 7.00
 No. can not be over in 3.24

		2500		
		2600		
		2700		
		2800		
		2900	4169	108
		3000	277	141
		3100	542	7
		3200		217
		3300		244
		3400		
5 f. 45.0	—	3500	—	45.0
5 f. 44.1	62358	3600	—	48.8
10 " 43.0	63982	3700	-0.2	43.0
		3800	—	
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	38.0	66734	-0.2	38.8
50	37.5	66734	+0.1	37.6
100	37.0	66734	-0.3	37.7
150	36.5	64483	+0.1	37.6
200	36.0	75852	-0.3	37.7
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Caught in 10 f. net: 10 f. and 2 f. net pulled out from water and 10 f. net pulled out, 3 fish, 1 small 10 f. net.

Caught in surface net:

10 f. net pulled out from water

55° 19' N. 168° 41' W.

No. 3608 Date *Sept 1905*
Sigsbee Machine. Reel. *Navy*
 Turns 256 Cor. + 20 Depth 276 fms.
 Shot or lead 26 lbs
 Bottom *gy S.*
 Bottom temperature 38.0
 No. of thermometer 78510 Cor. - 0.2
 Corrected temperature 37.8
 Air 46 Surface 45 Drift
 Trawl or dredge *Sigsbee*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.56.50	01.05	0	10 1.3	13.50
	03.45	100	10 57	10.45
57.55	02.05	200	23	07.45
10.51.25	10.02.15	256 300	27 20	04.50
		400	32 45	11.02.05
		500	34 5	10.58.35
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 3627 Date Aug 20 1880
Machine. Reel.
Turns 703 Cor. + 16 Depth 2 1/2 fms
Shot or lead 35 lbs
Bottom fine gy S
Bottom temperature 38.2
No. of thermometer 7510 Cor. - 0.2
Corrected temperature 38.0
Air 46 Surface 45 Drift
Trawl or dredge Dredge

SOUNDING WIRE,		TURNS.	DREDGE ROPE,	
DOWN.	UP.		DOWN.	UP.
12 03.00	08.40	0	12 37.00	12 25
	07.30	100	44.00	
05.20	16.30	200		
05.30	12.16.2	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

			2500		
			2600		
			2700		
			2800		
			2900	203	112
			3000	3966	16
			3100		203
			3200		219
			3300		
			3400		
St. 45	—		3500	—	45.0
5m 44.5	6390		3600	—	44.5
10" 44.0	62358		3700		
			3800	-0.2	43.8
			3900		
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	37.1	6000	+0.2	39.3
50	36.1	6000	+0.1	38.2
100	36.1	6000	—	38.0
150	36.1	6000	-0.3	37.0
200	36.1	6000	-0.2	37.9
250	36.1	6000		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Ship -

53° 23' N 157° 48' W

No. 3628 Hyd Date Aug 20 1900

Machine.

Reel.

Turns 84

Cor. +

6

Depth 756

Shot or lead

Bottom fine gy. s. & sh.

Bottom temperature

38.

No. of thermometer 7510

Cor. -0.2

Corrected temperature

37.8

Air 47

Surface 47

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6.00.00

6.06.00

0
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000	41.59	1.58
	3100	82	1.52
	3200	40.85	1.2
	3300		7.5
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

55° 41' N. 167° 45' W.

No. 3629 - Date Dec 30 1885
 Sigsbee Machine. Reel.

Turns 35 Cor. + 11 Depth 357 fms

Shot or lead 26 lbs.

Bottom gy. M. S.

Bottom temperature 38.0

No. of thermometer 7570 Cor. - 0.2

Corrected temperature

Air 46 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

16.15	3.12	0
17.00	2.20	100
21.15	2.10	200
22.05	2.00	300
23.15	10.23.40	400

500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

	2500	
	2600	
	2700	
	2800	5.0 12
	2900	356 1
	3000	187 11
	3100	356
	3200	357
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	62902	—	44.0
100	44	62358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Caught in ...
Many small medusae.
...

20. *58° 24' W. 157° 24' W.*

507.

No. *630. 578.* Date *Aug 21 1895*
Clacon Machine. Reel.
 Turns *95* Cor. + *4* Depth *99 fms*
 Shot or lead *26 lb*
 Bottom *br S. sand.*
 Bottom temperature *37.8*
 No. of thermometer *18510* Cor. *-0.2*
 Corrected temperature *37.6*
 Air *47* Surface *45 (2)* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1. 27. 30</i>		0		
<i>27. 20</i>	<i>1. 29. 40</i>	<i>95</i>		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	5.5	1.5
	3200	0.5	8.5
	3300	7.5	2
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.10
50	44	63902	—	44.10
100	44	62357	7.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *161*Date *Aug 21 1891*Machine. *Tanner*Reel. *1*Turns *78* Cor. + *3*Depth *78 fms.*Shot or lead *26 lb*Bottom *fine blk s*Bottom temperature *26.7*No. of thermometer *7500*Cor. - *0.2*Corrected temperature *36.5*Air *47*Surface *47*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	52.3
	3300	45
	3400	46.8
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	62358	-0.2	43.9
100	44	63902	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *322* Hyd. Date *Aug 21 1885*
Machine. — *Reel.*
 Turns *71* Cor. + *3* Depth *74*
 Shot or lead *26 lb.*
 Bottom *gy. m.*
 Bottom temperature *37.8*
 No. of thermometer *7870* Cor. *—*
 Corrected temperature *37.6*
 Air *46* Surface *46* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>57.50</i>	<i>58.50</i>	0		
<i>57.60</i>	<i>57.50</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	521.8
	3200	71
	3300	62.2
	3400	71
	3500	74
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	62-358	-0.2	44.8
100	43	63-962	—	43.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

61 fms.

No. 302 Date Aug. 31, 1885

Tanner Machine. Reel

Turns 71 Cor. + 3

Depth 7 - 100

Shot or lead

Bottom gn M. S.

Bottom temperature 38.1

No. of thermometer 78510

Cor. -0.2

Corrected temperature 37.9

Air 46

Surface 46

Drift

Trawl or dredge Burnand

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.10.50 13.00

0

9.5.05

11.35

11.00 9.11.50

71 100

11.00

11.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	6-123
	3000	71
	3100	2-2
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	✓	—	46.0
50	45	63902	—	45.0
100	44	62358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Caught in surface net.
 Small quartz ova.
 " " larval squid
 " " chabs
 Numerous polychaete tubes.
 Abundance of brownish microscopic life.
 Sample in 1st net.
 Abundance minute black crustacean
 marine species

Continued

No. *3609* Date *Aug 21, 1895*
Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge *Large beam; mud net*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>9. 47.50</i>	<i>7. 5.46</i>
		100	<i>54.20</i>	<i>25.5</i>
		<i>160</i>	<i>56.25</i>	<i>10.23.20</i>
		400		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	* NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600	(Caught in large beam trawl)			
700	1 <i>Chironomus</i> <i>fluviatilis</i> ,			
800	14 <i>Microgaster</i> "			
900	1 " ? "			
1000	1st <i>Am. Crabs</i> (several sp.)			

REMARKS:

1st " *Chironomus*
fluviatilis (several sp.)
 small plank. worms
 " " Hermit Crabs
 few small fishes

55° 41' N. 168° 34' W.

No. 3633 Date Aug 21 1890

Tanner Machine. Reel.

Turns 74 Cor. + 3 Depth 77 fms.

Shot or lead 26 lbs.

Bottom gn M. S.

Bottom temperature 38.0

No. of thermometer 78510 Cor. -0.2

Corrected temperature 37.8

Air 46 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.53.00	57.30	0		
55.20	11.54.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	543 1.2
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	63902	—	45.0
100	44	62358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1600* Date *Aug 21 1891*
Tanner Machine. Reel.
 Turns *85* Cor. + *4* Depth *89 fms*
 Shot or lead *26 lb*
 Bottom *gy S. M.*
 Bottom temperature *38.6*
 No. of thermometer *78070* Cor. *-0.2*
 Corrected temperature *38.4*
 Air *46* Surface *45* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*12.40.30**43.00*

0

*41.27**12 41.29**100*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	5.45	17
	3200	8.5	8
	3300	4.58	
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	63902	—	45.0
100	44	62358	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3635* Hyd. Date *Aug 21 1881*
Tanner Machine. Reel.
 Turns *135* Cor. + *6* Depth *141 fms.*
 Shot or lead *26 lbs*
 Bottom *gy S.*
 Bottom temperature *38.0*
 No. of thermometer *7870* Cor. *-0.2*
 Corrected temperature *37.8*
 Air *46* Surface *45* Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1. 11.58</i>	<i>15.20</i>	0		
<i>12.45</i>	<i>13.42</i>	100		
<i>12.11</i>	<i>1.13.13</i>	120 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	13.5
	3400	4.5
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	63902	—	44.0
100	43	62358	-0.2	42.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *55* Date *Aug 21 1895*
Cannier Machine. Reel. *V*

Turns *104* Cor. + *4* Depth *108 fms*

Shot or lead *26 lbs.*

Bottom *fine gy. S.*

Bottom temperature *38.2*

No. of thermometer *7850*

Cor. *0.2*

Corrected temperature *38.0*

Air *47* Surface *45* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1.38.00</i>	<i>40.52</i>	0		
<i>38.25</i>	<i>38.52</i>	100		
<i>58.40</i>	<i>1.36.00</i>	<i>104</i> (200)		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	7.8
	3300	10.2
	3400	7.39
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	63402	—	44.0
100	43.5	62358	-0.2	43.3
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2621 Date *Aug 16 1880*
 Machine. Reel.
 Turns 100 Cor. + 4 Depth 104 fms
 Shot or lead 35 lbs.
 Bottom fine gy. S.
 Bottom temperature 37
 No. of thermometer 2670 Cor. - 0.2
 Corrected temperature 26.8
 Air 47. Surface 46. Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.33.12	5.37.00	0	5.42.00	6.03.00
34.45	35.00	100	5.45.00	6.05.45
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

30 fms.
5.45.00
6.06.00
6.10.00

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	1.24 2 1.2
	3300	1 0 0 8
	3400	1 4 2 3 4
	3500	1 0 0
	3600	1 0 4
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	45	63902	—	45.0
100	44	62558	0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

166° 09' 45"

No. 3638 Date Aug, 22, 1895
 Tanner Machine. Reel.
 Turns 65 Cor. + 3 Depth 68 fms
 Shot or lead 26 lbs
 Bottom gy M.
 Bottom temperature 37.7
 No. of thermometer 7512 Cor. -0.2
 Corrected temperature 37.5
 Air 47 Surface 46 Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
2.44.20	46.00	0		
25.00	2.43.10	65		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	543 12
	3300	65
	3400	478
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	63902	—	45.0
100	45	62358	-0.2	44.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tanner's

Machine.

Reel.

Turns 72 Cor. + 3

Depth 75 fms

Shot or lead 26 lbs.

Bottom gn M

Bottom temperature

37.0

No. of thermometer

Cor. -0.2

Corrected temperature

36.8

Air

45

Surface

47

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.09.50

12.00

0

8.17.50

55.00

8.10.40

8.10.42

100

21.55

57.40

180

25.15

8.48.30

400

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Dredge net down at 12.00

8.10.40

No.

64 *Continued*

Date

Aug 22 1895

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

Handwritten notes

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	15.25	45.48
		100	18	4 14.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. *139*Date *July 25 1885*Machine. *Sigsbee*Reel. *1*Turns *357*Cor. + *5*Depth *362*Shot or lead *36 lb.*Bottom *gn. M. S.*Bottom temperature *35.5*No. of thermometer *7552*

Cor. -0.2

Corrected temperature *35.3*Air *48*Surface *47*

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0710 7, 31.00 2, 35.00
 31.30 31.40

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

56.45 N 167.25 W

507.

No. 3611 Date Aug 29/06

Tanner Machine. Reel. V

Turns 48 Cor. + 2 Depth 50

Shot or lead 26 lbs

Bottom gy. sh.

Bottom temperature 34.0

No. of thermometer 7121 Cor. -0.2

Corrected temperature 34.6

Air 45 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.17.25	18.50	0	5.25.50	19.50
17.55	5.18.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	5.2
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	63902	—	45.0
100	44	62356	-0.2	43.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Sp. 1" Ascideans
 REMARKS:
 Shrimp, small sp. 1 small shrimp
 2 small starfish (asterothelata)
 1/2 pt. porcupine sp. 1 brown
 mottled mollusk, 2 species
 starfish, 1 small octopus
 Sponges in surface net.
 Small medusae, 2 starfish

33.

56.02 N 169.06.5 W

507. (1)

No. *354* Date *Aug 24 1881*
Canner Machine. Reel.
 Turns *74* Cor. + *3* Depth *77 fath.*
 Shot or lead *26 lb*
 Bottom *gn m s*
 Bottom temperature *38.1*
 No. of thermometer *78575* Cor. *-0.2*
 Corrected temperature *37.9*
 Air *47* Surface *45* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.14.10
15.20

16.05
6.15.22

0
74
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.10
50	44.5	61546	—	44.5
100	44	66734	—	44.10
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

34 54° 57.5' N 167° 14' W

No. 641 Reel. Date Aug. 22 1895.
Machine. Reel.
Turns 31 Cor. + 6 Depth 137 fms
Shot or lead 26 lb.
Bottom gy. m. s.
Bottom temperature 37.9
No. of thermometer 78570 Cor. - 0.2
Corrected temperature 37.7
Air 45 Surface 47 Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.44.15	5.48.10	0		
15.10	46.50	100		
25.20	35.30	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	5713 12
	3100	131 6
	3200	417 6
	3300	31
	3400	137
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	47	—	—	47.0
50	46	62358	-0.2	45.8
100	43	62902	—	43.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

35 54° 56' N 167° 02' 5 W.

No. 242 Date Aug 24
Machine. Reel.
Turns 111 Cor. + 5 Depth 116
Shot or lead 26 16
Bottom fine sand
Bottom temperature 37.5
No. of thermometer 7810 Cor. - 0.2
Corrected temperature 37.3
Air 47 Surface 46 Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 45.40	6 49.20	0		
11 30	49.40	100		
6 47.15	6 51.20	111		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	543	12
	3200	111	
	3300	437	5
	3400		111
	3500		116
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	62358	-0.2	44.8
100	44	63902	—	44.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

36 54° 55.5' N 166° 57.5' W

No. 3643 Reel Date Aug 21 1895

Machine. Reel.

Turns 108 Cor. + 5 Depth 113 fms

Shot or lead 26 lb

Bottom gy. s. m. sh.

Bottom temperature

No. of thermometer 7850 Cor. - 0.2

Corrected temperature 37.3

Air 46 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7:15.00 7:21.00 0
19.30 20.10 100
19.50 19.00 1200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	543, 12
	3200	108 7
	3300	1135 5
	3400	108
	3500	113
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	44	62358	-0.2	43.8
100	43	63902	—	43.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 57' N 166° 53' W

No. 3644 H. C. Date

Machine.

Reel.

Turns 9

Cor. +

4

Depth 712

Shot or lead

26 lb

Bottom

Anch + 5

Bottom temperature

38.

No. of thermometer

78570

Cor. -

0.2

Corrected temperature

37.8

Air

46

Surface

46

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
7,53,00	7,56,00	0		
53,50	7,54,10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	524 3 12
	3200	527 8
	3300	524 1
	3400	527 2
	3500	527 2
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	46	—	—	46.0
50	45	63902	—	45.0
100	43.5	62358	-0.2	43.3
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2. H 38 54° 52' N 166° 43.5' W
 001.

No. *3645* Date *Aug 20 1896*
Turner Machine. Reel. *1*
 Turns *108* Cor. + *5* Depth *113 fms*
~~Shot or lead~~ *26 lbs*
 Bottom *gn M.*
 Bottom temperature *37.7*
 No. of thermometer *78510* Cor. *-0.2*
 Corrected temperature *37.5*
 Air *46* Surface *46* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.57.05</i>	<i>9.00.25</i>	0		
<i>58.05</i>	<i>58.45</i>	100		
<i>58.10</i>	<i>8.58.30</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	52.0 12
	3100	108 7
	3200	143.0 5
	3300	108
	3400	113
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45	—	—	45.0
50	44	62358	-0.2	43.8
100	43	63902	—	43.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

J. K. H. 39 54° 54' N 166° 35.5' W

No. 3646 Hyd Date Aug 24/1895.
 Tanner Machine. Reel.
 Turns 86 Cor. + 4 Depth 90 fms.
 Shot or lead 26 lbs.
 Bottom gn M. S.
 Bottom temperature 37.7
 No. of thermometer 78510 Cor. -0.2
 Corrected temperature 37.5
 Air 47 Surface 46 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>	<i>P.M.</i>			
9.46.55	49.15	0		
47.45	9.47.50	86		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

22.92.3

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	543 12
	3100	86
	3200	+ 57
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

J.K.H. ⁴⁰ 54.49.5 N 166.26.5 W
 No. 3647 Hyd Date Aug 24 1895
 Tanner Machine. Reel.
 Turns 102 Cor. + 4 Depth 106 fms
~~Shot or lead~~ 26 lbs.
 Bottom gn m s.
 Bottom temperature 37.5
 No. of thermometer 78510 Cor. -0.2
 Corrected temperature 37.3
 Air 46 Surface 46 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M.	P.M.			
10.47.10	50.00	0		
48.10	48.22	100		
48.12	10.48.20	102		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

573 12

102

441

